

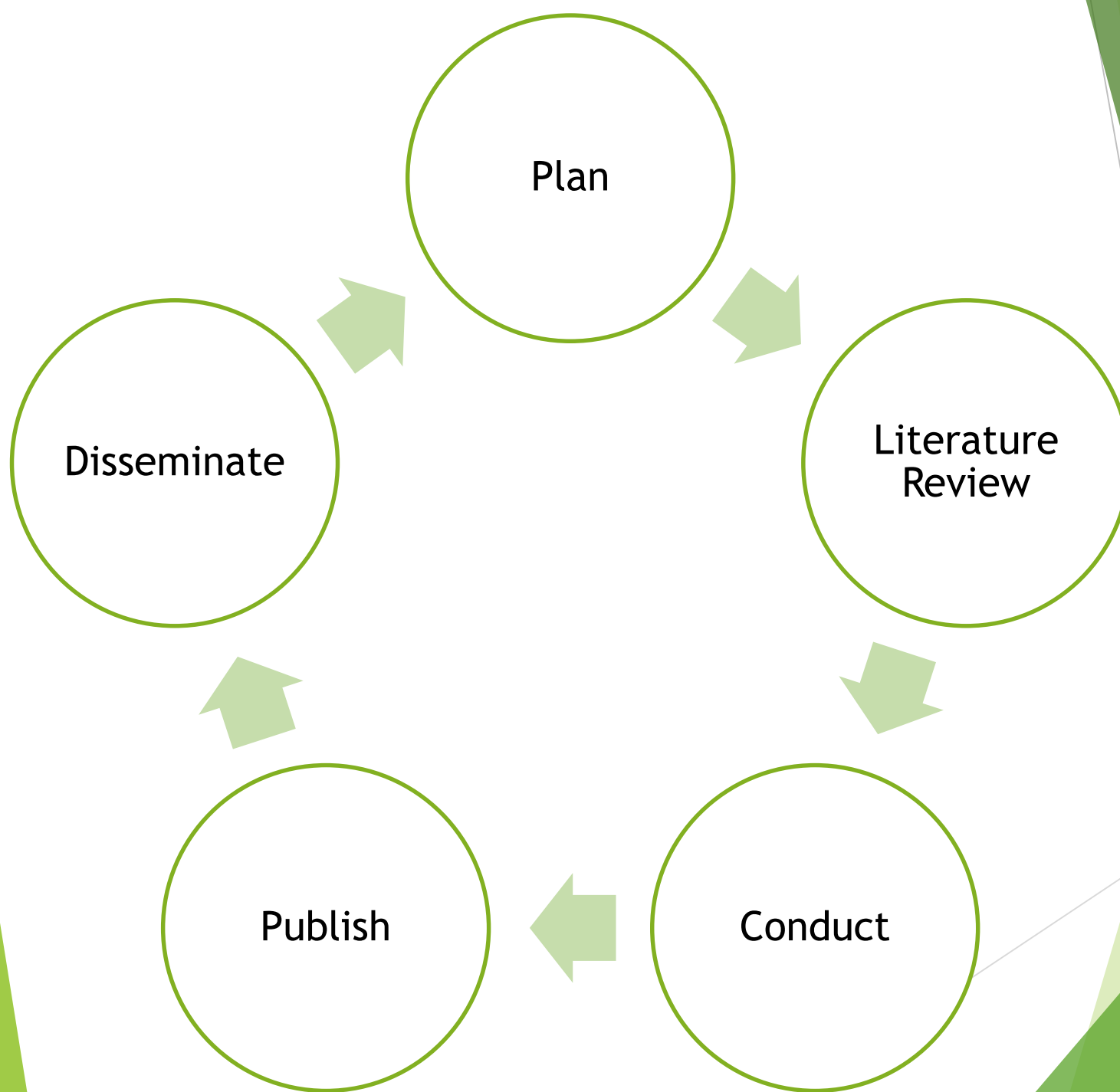
Beyond Systematic Reviews: Finding Our Place in the Academic Research Process

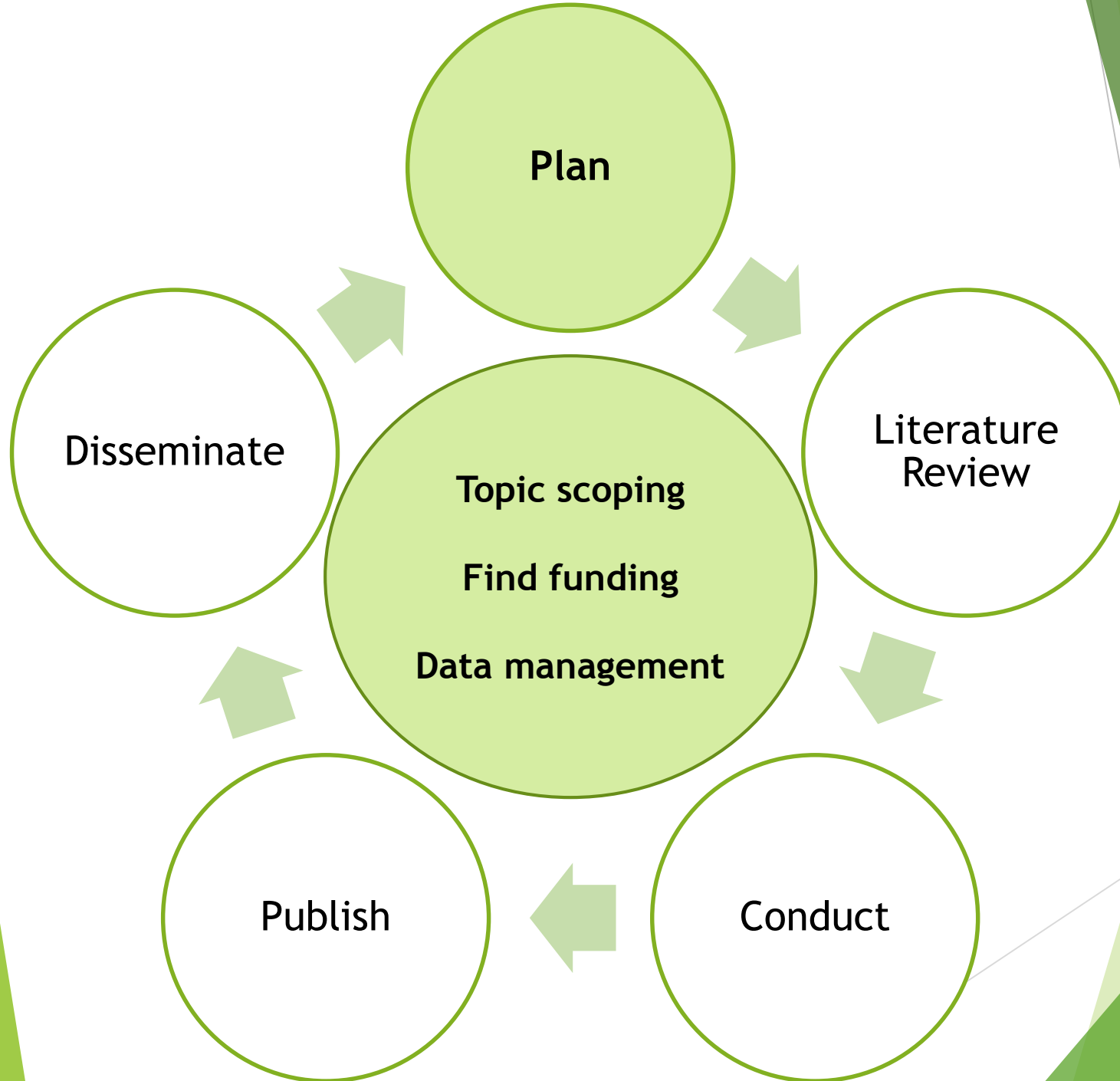
Caitlin Pike, MLS, AHIP

Nursing and Medical Humanities Liaison Librarian

Rachel Hinrichs, MS, MSLS

Public Health and Rehabilitative Science Liaison Librarian

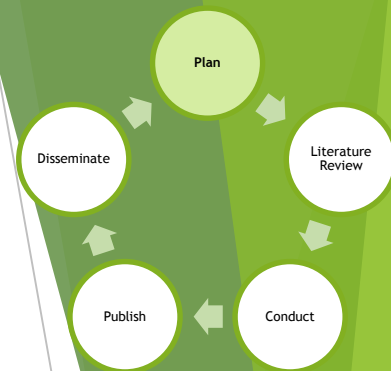




Topic scoping

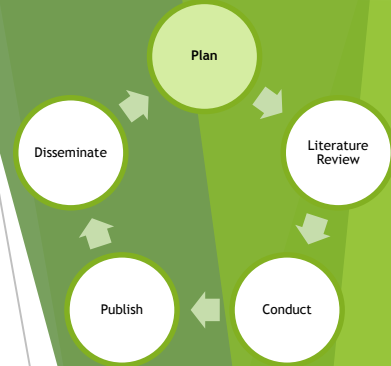
Assist researchers with defining and narrowing their topic by finding:

- Keywords and subject headings
- Background information (PubMed, etc.)
- Validated instruments (PsycTests)
- Raw Data (CDC, INDH, etc.)



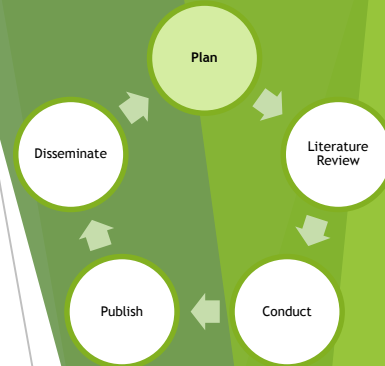
Navigating Funding

- Helping faculty find funding opportunities:
 - Pivot
 - Grants.gov
 - Non-Profit and Not-for-Profit Groups
- Being written into grants:
 - Internal or External?
 - Negotiating buy-out, if necessary.
 - Set time commitments and expectations up front!



Data Services

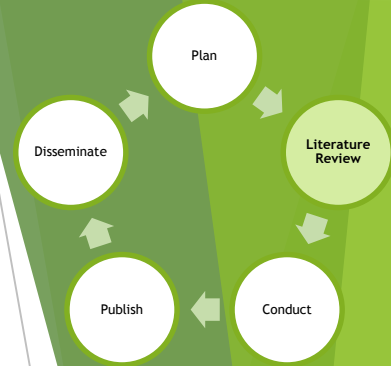
- Data Management Plans
 - Library can help create and maintain
 - Required for some funding agencies (NIH, NSF, etc.)
 - DMPTool: <https://dmponline.dcc.ac.uk/>
- Data and Safety Monitoring Plans
 - Safety of the patients
 - Validity of the data

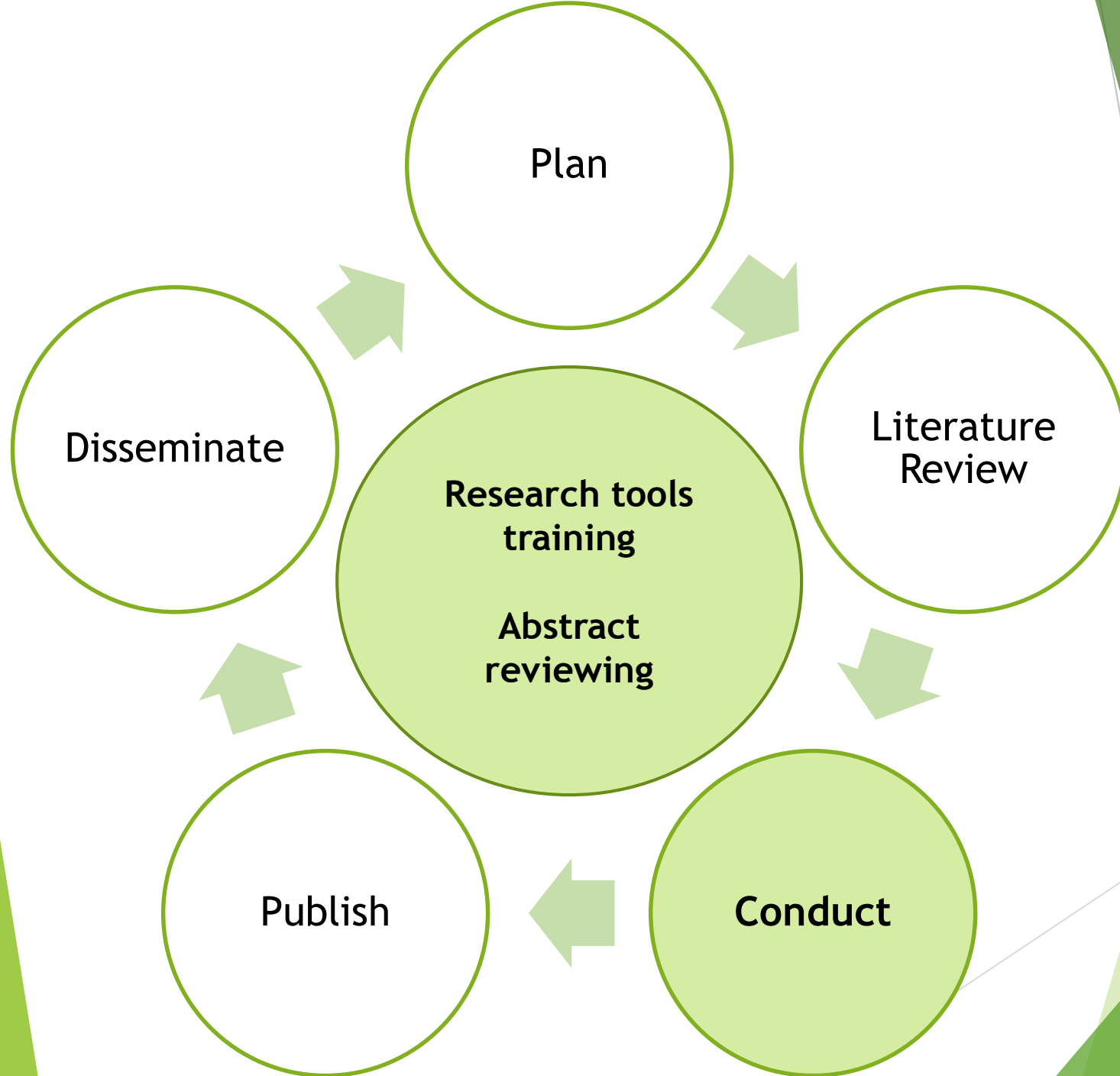




Systematized Searching & Citation Management

- Using a Systematic Approach
 - Draft a Search Plan
 - Track for PRISMA
- Citation Management
 - Choose a consistent software
 - De-duplicate
 - Remove obvious non-targets
 - Create groups, if necessary
 - Track for PRISMA





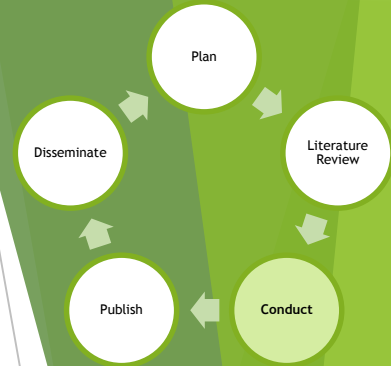
Research Tools

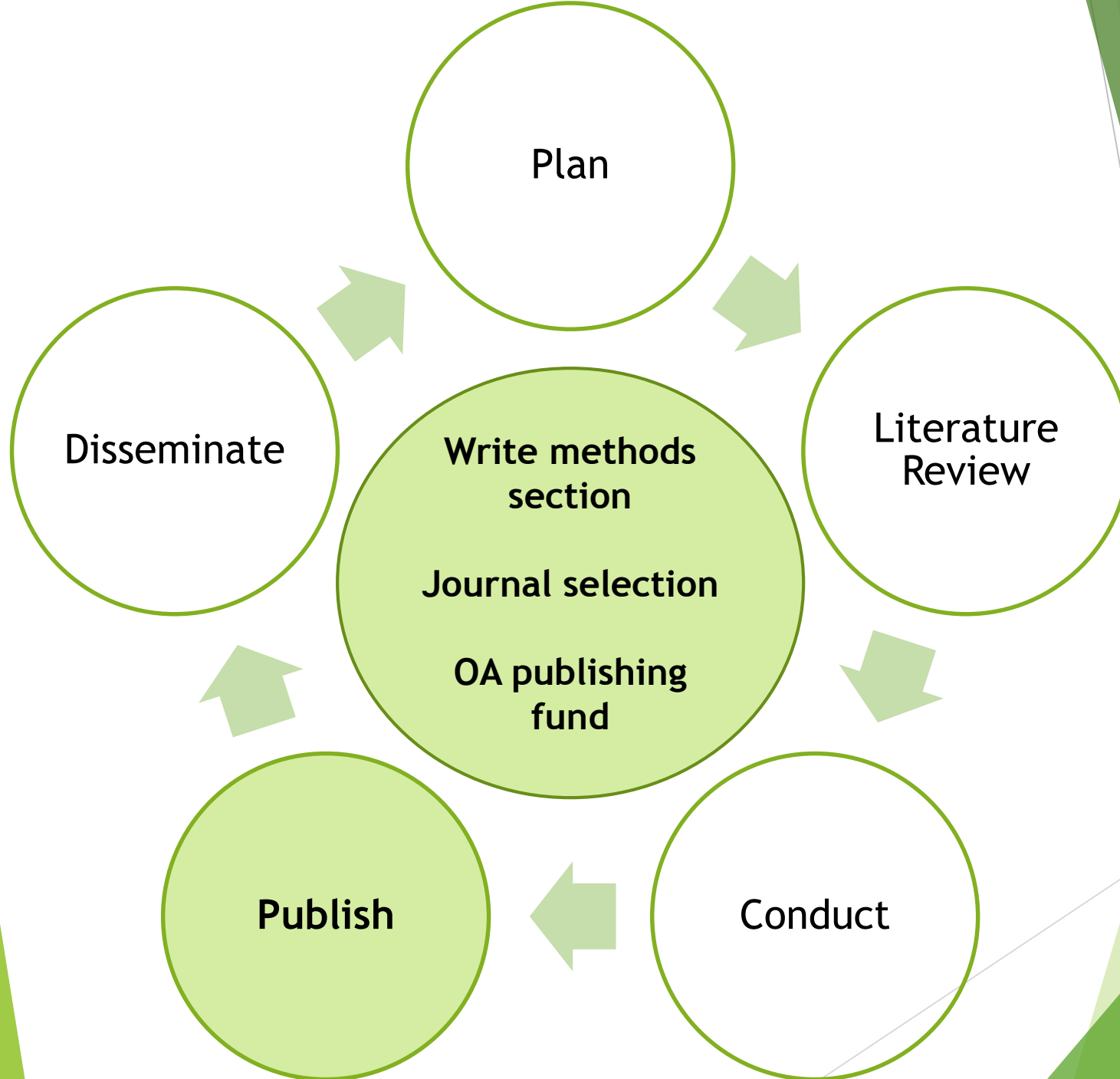
Research Tracking

- Citation managers
 - Endnote
 - Mendeley

Reviewing the Research

- Abstract and Full-text Reviews
 - Covidence
 - RevMan



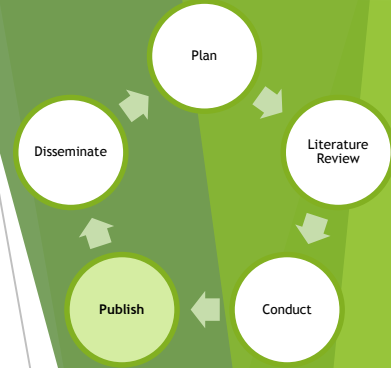


Write Methods Section

Ensure the search strategy is reproducible

Include:

- Databases and grey literature searched and which interfaces used
- Concepts of search
- Dates searched
- Limits used
- Full search strategy from at least one database



Journal Selection

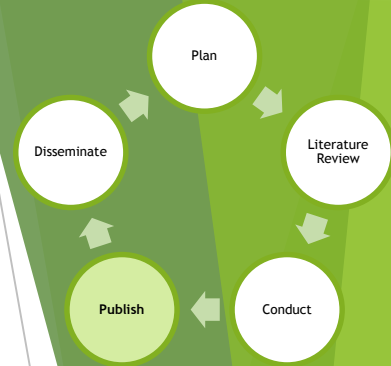
Focus on graduate students

Consider:

- Audience
- Journals cited in the manuscript
- Journal impact factor
- Open access

Use:

- Scopus
- Ulrich's Periodicals Directory
- JANE: <http://jane.biosemantics.org/>

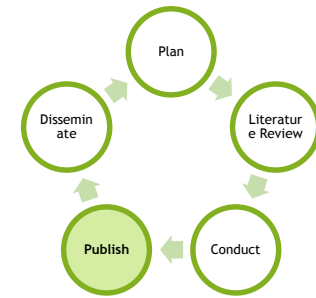


Open Access Publishing Fund

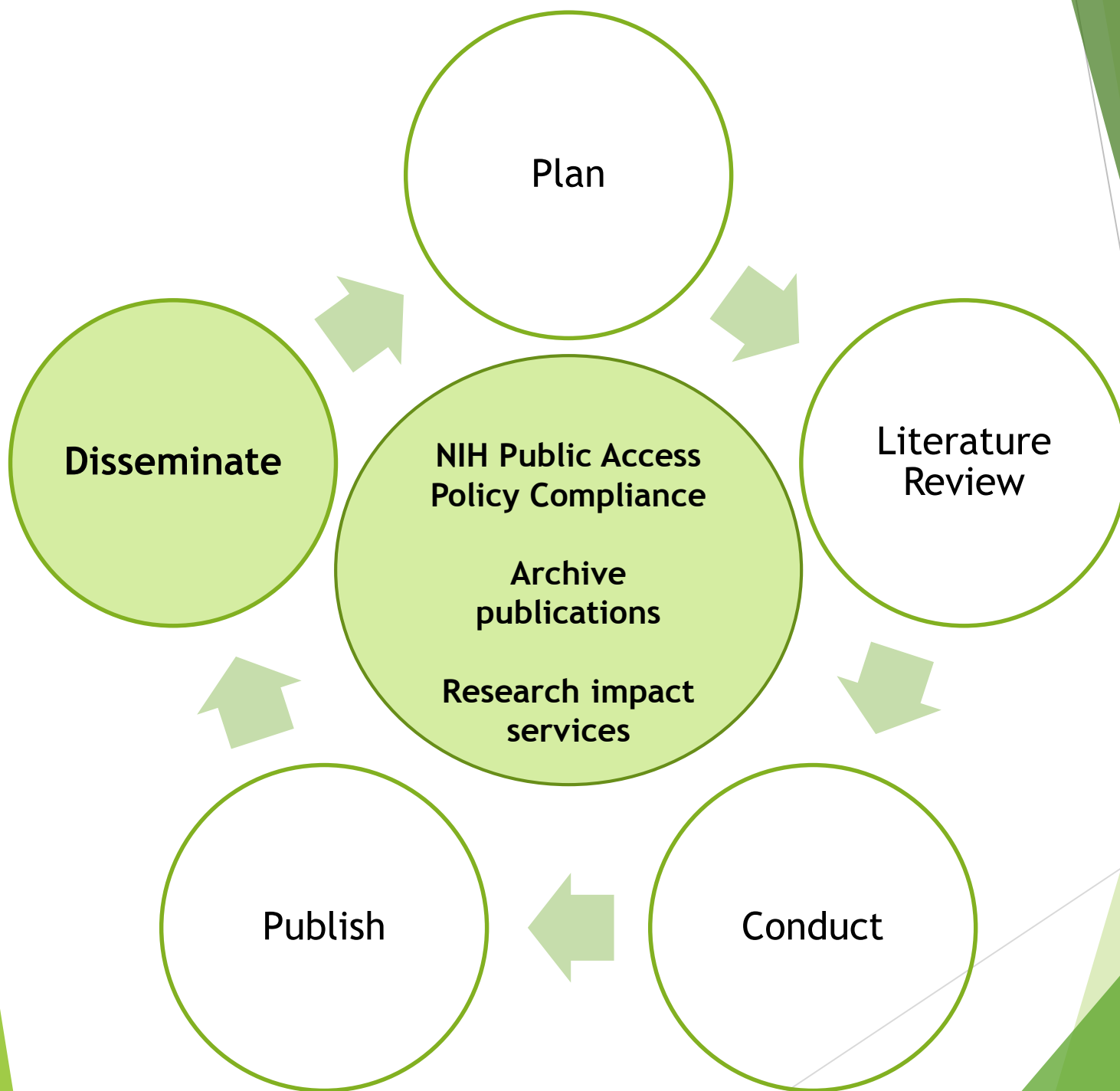


School	Contributed to Fund (FY 2013 -2016)	Articles Supported	Fees Supported by OA Funds
University Library	\$55,000.00	0	\$0
Office of the Vice Chancellor for Research	\$35,000.00	0	\$0
<i>Ruth Lilly Medical Library (School of Medicine)</i>	<i>\$15,000.00</i>	<i>22</i>	<i>\$28,220.42</i>
Science	\$10,000.00	21	\$30226.13
Informatics & Computing	\$9,000.00	11	\$12,567.42
<i>Dentistry</i>	<i>\$9,000.00</i>	<i>5</i>	<i>\$9,093.70</i>
<i>Nursing</i>	<i>\$7,000.00</i>	<i>11</i>	<i>\$18,535.50</i>
Engineering & Technology	\$5,000.00	6	\$8,500.00
<i>Public Health</i>	<i>\$6,000.00</i>	<i>9</i>	<i>\$14,814.87</i>
Law	\$2,000.00	0	\$0
SPEA	\$1,000.00	2	\$2,555.00
<i>Health & Rehabilitation</i>	<i>\$0</i>	<i>1</i>	<i>\$1,800.00</i>
Liberal Arts	\$0	1	\$2,900.00
PETM	\$0	1	\$900.00
Philanthropy	\$0	1	\$450.00
	\$154,000.00	91	\$130,563.04

Open Access Publishing Fund



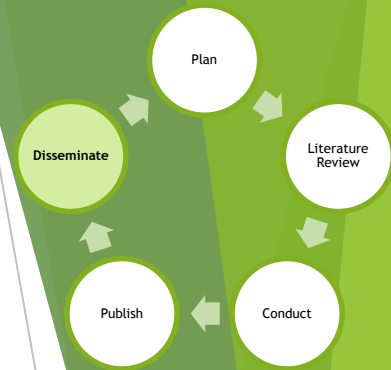
Publisher	Articles Supported	Fees Supported
Public Library of Science (PLOS)	26	\$32,457.25
BioMed Central (Springer)	12	\$20,816.62
Nature Publishing Group (Springer)	10	\$15,344.00
JMIR Publications	6	\$13,435.00
Wiley	6	\$8,929.50
MDPI	6	\$4,659.17
Frontiers	4	\$6,543.00
Hindawi	4	\$4,750.00
Dove Medical Press	3	\$5,859.00
Elsevier	3	\$2,990.00
Association for Research in Vision and Ophthalmology (ARVO)	2	\$1,192.00
AAAS	1	\$2,932.50
U of California Press	1	\$2,900.00
Institute of Physics (IOP)	1	\$1,600.00
Thieme	1	\$1,480.00
Libertas Academica	1	\$1,478.00
American Institute of Physics (AIP)	1	\$1,350.00
Cogitatio	1	\$955.00
PeerJ	1	\$742.00
Sciedu Press	1	\$150.00
	91	\$130,563.04



NIH Public Access Policy Compliance

Main Faculty Challenges

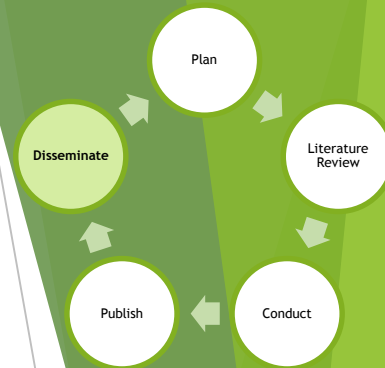
- Never return emails
- Link to the Publisher's PDF
- Logging in to NIHMS
- Stalled in NIHMS
- Need NIH Help Desk to reassign



Archiving Publications

	2014	2015	2016	To Date
Dentistry	1	11	45	57
Health & Rehabilitation	0	5	16	21
Medicine	7	372	1617	1996
Nursing	2	29	48	79
Public Health	0	16	76	92
			Total	2,245

By comparison, the total number of publications across all Schools on campus was 2,955!



Research Impact Services

Gather metrics for dossiers and grant proposals

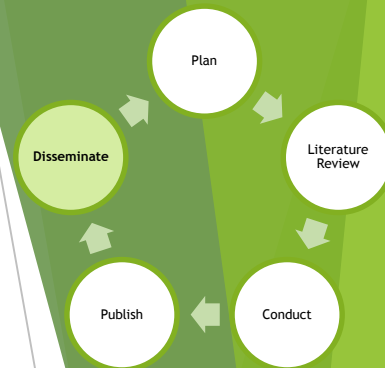
- Journal, article, and author-level metrics
- Web-based metrics (views and downloads)
- Altmetrics

Provide context and descriptions for the data

Journal metrics

Journal	Published Articles	Journal Impact Factor (year of publication)	Quartile Ranking by Discipline (Scopus)
Psycho-Oncology	2	3.5	Psychology: 14 [Q1]
Cancer Nursing	2	1.8	Nursing: 4 [Q1]
Journal of Pain and Symptom Management	1	2.6	Health Care Sciences & Services: 9 [Q1] Medicine, General & Internal: 28 [Q1] Clinical Neurology: 71 [Q2]
Quality of Life Research	1	2.5	Health Care Sciences & Services: 12 [Q1] Public, Environmental, & Occupational Health: 23 [Q1]

Sample write-up: As an interdisciplinary public scholar, Professor Bigatti has published in several high-ranked journals spanning psychology, public health, nursing, medicine, and health care services.



Conclusion

Don't limit yourself to traditional librarian roles.

Use this framework as a marketing tool to show how you can support faculty in all aspects of their work.

Start small, and build from there.

Focus on graduate students and new faculty first.

Don't be afraid to ask for author credit.

